205229

NPL Characteristics Data Collection Form

(Version 2.0, October 1992)

Site Name: ERIN CLEANERS
Region: 2 State: NJ

is form should be completed for all sites being proposed for ition to the NPL and included as part of the complete HRS kage submitted to EPA Headquarters.

Office of Emergency and Remedia
U.S. Environmental Protection

NPL Characteristics Data Collection Form

General Instructions

The NPL Characteristics Data Collection Form is designed to standardize the site information collected for input into the NPL Characterization Data Base. This data base serves as a repository for general information about NPL sites and is used to respond to queries about NPL sites from a variety of sources including the general public, the press, other government agencies, and members of Congress. The primary source materials for completing this form are Regional site file documents (e.g., PA and SI reports), along with the site's HRS scoring package. Although much of the information needed to complete the form is expected to be available in the HRS scoring package, other sources in a site file may need to be consulted for some questions. If definitive data are not available in the site file to answer a question, estimates based on best professional judgment and other sources of information are acceptable.

As you complete the NPL Characteristics Data Collection Form, keep the following points in mind.

- Please complete the form in ink, and print legibly.
- Use the most accurate level of information available (e.g., SI-level information has priority over PA-level information).
- Try to use the listed response options when answering a question, and use "unknown" and "other" responses ***only*** when absolutely necessary. If, however, the available response options for a question are not adequate to accurately describe the site, use the "other" response and provide a brief explanation in the space provided.
- Use the margins to explain responses that do not match listed response options or to provide clarifying information. If you need additional room to clarify responses, use the space provided in Appendix C.
- Some questions may go beyond the scope of the HRS scoring package (e.g., may relate to pathways not scored). Answer these questions with the best information available, making reasonable "educated guesses" if necessary.
- "Current," as used in this form, should be interpreted as the general time period of HRS scoring package preparation.
- "Principal contamination," as used in this form, should be interpreted as the contamination that is primarily responsible for a site's proposal to the NPL.

Please respond to ***all*** questions with the answer that you believe best represents the site conditions, given the information available at the time of HRS scoring package preparation. Do

1. Basic Identifying Information

1.1 Site Name (as entered in CERCLIS): ERIN CLEANERS

1.2 CERCLIS ID Number:

NJD011705175

1.3 Name of Person(s) Completing Form: Donna van Veldhuisen
Affiliation (agency/company): NJDEP/BSA
Phone Number: 609-584-4280

1.4 Date Form Was Completed: 9/19/2002 (m/d/y)

1.5 Site Location: City: Riverton State: NJ
County: Burlington Zip Code: 08077

1.6 Site Coordinates (in degrees, minutes, seconds, and tenths of seconds):

North Latitude	West Longitude
40° 00' 40."	075° 00' 38."

If tenths of seconds are unknown, use "0" as a default value. If necessary, refer to Appendix E of EPA's 1991 PA guidance document for directions on how to determine coordinates.

1.7 **ATSDR HEALTH ADVISORY.** Has an Agency for Toxic Substances and Disease Registry (ATSDR) Health Advisory been issued?

No

If yes, what was the date of issue?_ (m/d/y)

1.8 **HOW INITIALLY IDENTIFIED.** How was the site initially identified to EPA? If this information is not available in the HRS scoring package, check the PA narrative or other parts of the site file.

State/Local Program

1.9 **UNKNOWN SOURCE.** Does the site consist exclusively of contaminated ground water or contaminated surface water sediments with ***no identifiable primary source(s)***?

No

STOP HERE. If answer to question #1.9 is "Yes", proceed to Appendix A and complete the Supplemental Data Collection Form, then *return* to Section 6 (page 9) of this form. If answer is "No", continue to Section 2 of this form.

2. General Site Description

2.1 **SETTING.** What is the site setting?

Suburban

2.2 **LAND USE.** What is the current land use(s) within 1 mile of the site?

Current
Commercial

Future
Commercial

2.3 **AREA.** What is the approximate area of contamination (i.e., total area that includes all sources of contamination and other areas where contamination has come to be located, plus the area between the sources)? If the site is large with only a small contaminated portion, only the area of the contaminated portion should be estimated. If the approximate area of contamination cannot be estimated, use the area within the property boundary.

5 Acres or Less

2.4 **OWNER AND OPERATOR.** What/who are the current owner(s) and operator(s) of the site, and who were the owner(s) and operator(s) at the time of principal contamination?

CURRENT Owner(s)
Private

CURRENT Operator(s)
Private/Small Business

AT TIME OF CONTAMINATION Owner(s)
Private

AT TIME OF CONTAMINATION Operator(s)
Private/Small Business

2.5 **SPILL/OTHER ONE-TIME EVENT.** Is this site the result of a one-time spill (e.g., truck, rail car, or barge accident) or other one-time event (e.g., one-time illegal dumping), with no other ongoing waste management or waste generation activities on site?

No If Yes, year of spill/other one-time event _

If answer is "Yes" to this question, proceed to Section 3. If answer is "No," continue to question #2.6.

2.6 **YEARS OF OPERATION.** What are the beginning and ending years of operation at the site? "Operation" includes any activity occurring at the site (other than site remediation and related site investigation activity), and does ***not*** necessarily have to involve waste generation and/or management. Aggregated sites that have a combination of active and inactive/abandoned operations, and active sites that have had periods of inoperation during their existence, should be considered currently operating. For these sites, indicate the beginning year of their earliest operation. If sites such as this are no longer operating, indicate the beginning year of their earliest operation and the ending year of their latest operation.

Currently operating: from (beginning year) 1949 to (ending year) _

2.7 **YEARS OF WASTE MANAGEMENT ACTIVITIES.** What are the beginning and ending years of waste management at the site? Applicable waste management activities include generation, treatment, and/or recycling of waste containing hazardous substances and/or receipt of such wastes from off-site sources. Aggregated sites that have a combination of active and inactive/abandoned waste management activities, and sites that are actively managing waste that have had periods without waste management activities during their existence, should be considered currently managing waste. For these sites, indicate the beginning year of their earliest waste management activity. If sites such as this are no longer managing waste, indicate the beginning year of their earliest activity and the ending year of their latest activity. All responses should be consistent with responses given for question #2.6.

Currently managing waste: from (beginning year) 1949 to (ending year) _

3. Site Type

3.1 **SITE ACTIVITIES.** Which of the following best describe current activities/operations/conditions at the site (i.e., on-site activities)? Also, identify all former activities that are at least partly responsible for the principal contamination at the site.

Current

Laundries/Dry Cleaners

Former

Laundries/Dry Cleaners

3.2 **WASTE TREATMENT, STORAGE, AND DISPOSAL ACTIVITIES.** What treatment, storage, and/or disposal activities occur/occurred at the site?

Discharge to Sewer/Sfc Wtr
Tanks Above Ground
Drum/Container Storage

4. Waste Description

4.1 **ON-SITE/OFF-SITE GENERATION.** Is an on-site or off-site generator responsible for the waste disposed or deposited on site that resulted in the principal contamination? For consistency, recycling facilities should be considered on-site generators.

On-site generator only

4.2 **ENTITY THAT GENERATED THE WASTE.** What is the source(s) of the waste disposed or deposited on site that resulted in the principal contamination (***not*** necessarily the entity that generated the original product)? Note that this question is different from question #3.1 regarding site activities, although the response options are similar. This question targets the generator(s) of the waste present on site, not the site activities. However, if the waste is/was generated entirely on site, then the response(s) to this question should match the response(s) to question #3.1.

Laundries/Dry Cleaners

4.3 **PHYSICAL STATE OF WASTE.** What is the physical state(s) of the hazardous substance-containing waste(s) deposited or detected on site? (check all that apply)

☐ Solid
■ Liquid

☐ Sludge
☐ Gas

4.4 **GENERAL WASTE TYPES.** What are the waste types deposited or detected on site? Indicate all the waste types present on site under "Overall." If three or fewer waste types are known to comprise the majority (i.e., over 50%) of the waste volume on site, indicate their types under "Predominant." Otherwise, leave the "Predominant" column blank.

Overall

Contaminated Soil
Chlorinated Organic Chemicals

Predominant

Chlorinated Organic Chemicals

4.5 **SPECIFIC WASTE CONSTITUENTS.** Which of the following waste constituents have been deposited or detected on site?

None

4.6 **QUANTITY OF WASTE.** What is the highest HRS hazardous waste quantity factor value among the pathways scored, regardless of which tier(s) (A, B, C, and/or D) was used in scoring?

0

4.7 **WASTE ACCESSIBILITY.** Is the waste on site currently accessible to the public (e.g., is site access unrestricted so people can potentially come into direct contact with contaminated materials)? Items to be considered when judging accessibility include, for example, presence or absence of a complete cover over the waste area and a secure fence around the site. A site with natural access restrictions (e.g., steep terrain) also can be considered inaccessible. Do not count on-site workers as part of the public when answering this question.

No

5. Demographics

For this section, do not directly use the population factor values calculated in the HRS and entered in HRS scoresheets. Use actual (i.e., unweighted, unadjusted) population figures, which should be available in the HRS supporting documentation.

5.1 **NUMBER OF WORKERS ON SITE.** What is the current number of workers present on site (not including workers involved in response activities)?

Greater than 0 to 10

5.2 **DISTANCE TO POPULATION.** What is the shortest distance from any source or area of contamination at the site to the nearest residential individual (include all persons occupying homes, apartments, businesses, or schools)? If contamination has migrated off site onto the property of a nearby resident(s), then check the box next to "0 miles." If the source or contaminated area is not clearly identified, use distance from the site property boundary.

Greater than 0 to 1/4 mile

5.3 **POPULATION.** What is the total residential population within 1 mile and 4 miles of the site (include all persons occupying homes, apartments, businesses, or schools)?

Within 1 mile	**Within 4 miles**
Greater than 1,000 to 10,000	Greater than 10,000 to 100,000

6. Water Use

For purposes of this section, "local" refers to ground water withdrawals within 4 miles and surface water withdrawals within 15 "in-water" miles (e.g., downstream miles for streams and rivers) of the site (i.e., within HRS target distance limits).

6.1 **TOTAL DRINKING WATER POPULATION SERVED.** What is the total population served by local ground and surface water sources of drinking water? Use actual population numbers and not adjusted values taken directly from HRS scoresheets. For blended systems, use total population served instead of prorated values. Note that the total population served does not have to reside within the HRS target distance limits, only the drinking water supply withdrawal point(s) needs to be within the limits.

Ground	Surface
Greater than 100,000	N/A (No drinking water withdrawals within HRS TDL)

6.2 **TYPE OF DRINKING WATER SUPPLY SYSTEM.** What type(s) of local drinking water supply system(s) is present? "Public" should be checked for any central water supply system, even if operated by a private entity.

Ground
Public

Surface
N/A

6.3 **OTHER GROUND WATER USES.** What are the other uses of ground water withdrawn within 4 miles of the site?

Irrigation

6.4 **DEPTH TO AQUIFER.** What is the approximate depth from the ground surface to the uppermost usable aquifer (i.e., an aquifer having sufficient yield and water quality to be usable as drinking water or for other beneficial uses) beneath the site?

Greater than 10 to 25 feet

6.5 **OTHER SURFACE WATER USES.** What are the other uses of surface water withdrawn within 15 "in-water" miles of the site?

None

6.6 **TYPE OF SURFACE WATER ADJACENT TO/DRAINING SITE.** What are the type(s) of surface water adjacent to/draining the site that could potentially be affected by overland runoff from the site (i.e., are within 2 miles of any source)? Indicate whether the water body is known or suspected of being contaminated by the site. "Yes" would indicate that the surface water body meets the HRS criteria for observed release. "Suspected" would indicate that there is some evidence of contamination that is attributable to the site, but the surface water body does not meet the HRS criteria for observed release.

	Contaminated?
Perennial Stream	No

7. Sensitive Environment and Reported Environmental Damage Information

7.1 **EXISTENCE OF SENSITIVE OR POTENTIALLY VULNERABLE ENVIRONMENT.** Is the site in or near (i.e., within a 4-mile radial distance, or for surface water within 15 "in-water" miles) an HRS-designated sensitive environment(s) or other potentially vulnerable environment(s)?

Wetland

7.2 **HUMAN HEALTH/BIOLOGICAL IMPACTS.** Have human health or biological impacts attributable to the site been reported or observed?

Unknown

8. Response Actions

8.1 **TYPE OF RESPONSE ACTION.** What type(s) of response actions has already occurred at or near the site?

None

8.2 **AUTHORITY RESPONSIBLE FOR RESPONSE ACTION.** Who performed (or contracted for) the response action(s)?

N/A

STOP HERE. Section 9 will be completed by a Headquarters QA reviewer.

REVIEW OF COMPLETED FORM. When you have completed Sections 1 through 8 of the NPL Characteristics Data Collection Form, please check to ***make sure*** that:

(1) All questions are answered, except for ones that you were specifically directed to skip; and

(2) All questions have been answered such that the responses are internally consistent, especially those in Sections 2 and 3. For example, if the site is the result of a spill or other one-time event, the responses for questions #2.4, #2.5, #3.1, and #3.2 should be consistent, while if the site is inactive or abandoned, the responses for questions #2.4, #2.6, #2.7, and #3.1 should be consistent.

9. Questions to be Completed by Headquarters QA Reviewer

9.1 Name of QA Reviewer: _

Affiliation (agency/company): _

Phone Number: _

9.2 Date QA Completed For This Form: _ (m/d/y)

9.3 NPL Proposed Rule Number (i.e., NPL "Update" number): _

9.4 U.S. Congressional District Number: _

9.5 **DISCOVERY DATE.** What is the date the EPA Region was notified of the hazardous waste release/site? (should match site assessment CERCLIS information) If the day and/or month is unknown use "01" as a default value for these entries.

_ (m/d/y)

9.6 **DATE OF PRELIMINARY ASSESSMENT (PA).** What is the date of the PA? (should match site assessment CERCLIS information) If the day and/or month is unknown use "01" as a default value for these entries.

_ (m/d/y)

9.7 **DATE OF SITE INVESTIGATION (SI).** What is the date of the SI? (should match site assessment CERCLIS information) If the day and/or month is unknown use "01" as a default value for these entries.

_ (m/d/y)

9.8 **RCRA SUBTITLE C STATUS.** What is the RCRA Subtitle C status of the site?

None

9.9 **HRS SCORE.** What is the HRS site score (as proposed)? _

9.10 **HRS PATHWAYS SCORED.** Which HRS pathways were scored, and for which pathways has observed release/contamination been documented? (check all that apply and provide score, as proposed)

Pathways Scored	Score	Observed Release/ Contamination
☐ Ground water	_	☐
☐ Surface water (overland/flood)	-	☐
☐ Drinking water threat	-	
☐ Human food chain threat	-	
☐ Environmental threat	-	
☐ Surface water (GW to SW)	-	☐
☐ Drinking water threat	-	
☐ Human food chain threat	-	
☐ Environmental threat	-	
☐ Soil exposure	-	☐
☐ Residential population threat		
☐ Nearby population threat	-	
☐ Air	-	☐
☐ None (ATSDR or state top priority site)		

Session 8 - ERIN CLEANERS – Rev - 1 Site Score: 50.00

DocRec Comments
-

Source 1 - Soil behind building

Latitude	Longitude
40 00 40.	075 00 38.

Type: Contaminated Soil / N/A

Lowest Depth of Contamination (ft): 48.00

Is Tier A Adequately Determined? No
Is Tier B Adequately Determined? No

Description:
Location:

Source HWQ:

Constituents (Tier A) Assigned Value:
WasteStream (Tier B) Assigned Value:

Volume (Tier C): > 0 Assigned Value:
Volume Ref:

Area (Tier D): 250.00sq ft Assigned Value: 0.00
Area Ref:

Containment

GW	10	Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures).
SWOL	10	Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures).

Gas
Particulate

Evidence 1 - S-1 8/6/2002

Purpose: Analytical Sample
Type: Sample

This is a RELEASE sample
Is Sample Filtered? No
Depth: 2.50
Lat: 0.00 Long: 0.00

CAS_Number	Chemical_Name	Quantity	Quantitation Limit	Qualfr	Man Made	Ubiq	Liquid	Neigh	Reference
000127-18-4	Tetrachloroethylene	7.40 mg/kg	0.75 mg/kg		X		X		

Evidence 2 - S-2 8/6/2002

Purpose: Analytical Sample
Type: Sample

This is a RELEASE sample
Is Sample Filtered? No
Depth: 2.00
Lat: 0.00 Long: 0.00

CAS_Number	Chemical_Name	Quantity	Quantitation Limit	Qualfr	Man Made	Ubiq	Liquid	Neigh	Reference
000127-18-4	Tetrachloroethylene	13.00 mg/kg	0.90 mg/kg		X		X		

Evidence 3 - S-3 8/6/2002

Purpose: Analytical Sample
Type: Sample

This is a RELEASE sample
Is Sample Filtered? No
Depth: 2.00
Lat: 0.00 Long: 0.00

CAS_Number	Chemical_Name	Quantity	Quantitation Limit	Qualfr	Man Made	Ubiq	Liquid	Neigh	Reference
000127-18-4	Tetrachloroethylene	5.80 mg/kg	0.59 mg/kg		X		X		

Evidence 4 - S-4 8/6/2002

Purpose: Analytical Sample
Type: Sample

This is a RELEASE sample
Is Sample Filtered? No
Depth: 2.50
Lat: 0.00 Long: 0.00

CAS_Number	Chemical_Name	Quantity	Quantitation Limit	Qualfr	Man Made	Ubiq	Liquid	Neigh	Reference
000127-18-4	Tetrachloroethylene	2.40 mg/kg	0.90 mg/kg		X		X		

Evidence 5 - S-5 8/6/2002

Purpose: Analytical Sample
Type: Sample

This is a BACKGROUND sample
Is Sample Filtered? No
Depth: 2.50
Lat: 0.00 Long: 0.00

CAS_Number	Chemical_Name	Quantity	Quantitation Limit	Qualfr	Man Made	Ubiq	Liquid	Neigh	Reference
000127-18-4	Tetrachloroethylene	0.04 mg/kg	0.04 mg/kg		X		X		

Session 8 - ERIN CLEANERS -- Rev - 1 Site Score: 50.00 **Pathway Score:** 100.00

Net Precipitation: 3
Net Precip Ref:

Strata 1 - PENSAUKEN FORMATION
This strata is Non-Karst

Hydraulic Conductivity: 1.0E-006

Depth from 1.00 ft to 20.00 ft

Wellhead Protection Area Factor Value: 5 - Designated Wellhead Protection Area is within the target distance limit
Wellhead Reference:

Resources:
Resources Well Name:
Resources Reference:

Well Groups:

Aquifer type	Distance Range	Num of Wells	Population Served

Individual Wells:

Strata 2 - RARITAN MAGOTHY FORMATION
This is a Non-Karst aquifer

Hydraulic Conductivity: 1.0E-006

Depth from 20.00 ft to 100.00 ft

Wellhead Protection Area Factor Value: 5 - Designated Wellhead Protection Area is within the target distance limit
Wellhead Reference:

Resources:
Resources Well Name:
Resources Reference:

Well Groups:

Aquifer type	Distance Range	Num of Wells	Population Served
NON-KARST	Greater than 1 to 2	4.00	15,848.00
NON-KARST	Greater than 2 to 3	10.00	34,753.00
NON-KARST	Greater than 3 to 4	15.00	55,020.00

Individual Wells:

Well 1 - NJAWC 13 -- Drinking Well
Latitude: Longitude:
Screening interval from 167.00 to 198.00 ft bgs
Distance from Source : 0.80
Population Served: 3,810.00

Sample 1 - NJAWC 13 4/88 4/1/1988
Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	240.00 ug/L	0.50 ug/L			X	X			

Sample 2 - NJAWC 13 4/89 4/1/1989

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000079-01-6	Trichloroethylene	1.00 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	87.00 ug/L	0.50 ug/L			X	X			

Sample 3 - NJAWC 13 6/90 6/1/1990

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000079-01-6	Trichloroethylene	3.00 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	57.00 ug/L	0.50 ug/L			X	X			

Sample 4 - NJAWC 13 7/91 7/1/1991

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000079-01-6	Trichloroethylene	3.00 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	42.00 ug/L	0.50 ug/L			X	X			

Sample 5 - NJAWC 13 4/92 4/1/1992

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000079-01-6	Trichloroethylene	6.00 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	34.00 ug/L	0.50 ug/L			X	X			

Sample 6 - NJAWC 13 9/93 9/1/1993

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000079-01-6	Trichloroethylene	3.90 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	33.80 ug/L	0.50 ug/L			X	X			

Sample 7 - NJAWC 13 8/94 8/1/1994

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000079-01-6	Trichloroethylene	2.00 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	26.00 ug/L	0.50 ug/L			X	X			

Sample 8 - NJAWC 13 8/95 8/1/1995

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000079-01-6	Trichloroethylene	1.30 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	30.00 ug/L	0.50 ug/L			X	X			

Sample 9 - NJAWC 13 6/96 6/1/1996

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000075-34-3	Dichloroethane, 1,1-	1.40 ug/L	0.50 ug/L			X	X			
000079-01-6	Trichloroethylene	1.60 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	22.00 ug/L	1.60 ug/L			X	X			

Sample 10 - NJAWC 13 2/97 2/1/1997

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000075-34-3	Dichloroethane, 1,1-	2.40 ug/L	0.50 ug/L			X	X			
000079-01-6	Trichloroethylene	2.90 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	21.00 ug/L	0.50 ug/L			X	X			

Sample 11 - NJAWC 13 12/98 12/1/1998

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000075-34-3	Dichloroethane, 1,1-	1.70 ug/L	0.50 ug/L			X	X			
000079-01-6	Trichloroethylene	3.70 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	17.70 ug/L	0.50 ug/L			X	X			

Sample 12 - NJAWC 13 12/99 12/1/1999

Depth: 198.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000079-01-6	Trichloroethylene	5.90 ug/L	0.50 ug/L			X	X			
000127-18-4	Tetrachloroethylene	9.80 ug/L	0.50 ug/L			X	X			

Well 2 - NJAWC 27 – Drinking Well

Latitude: Longitude:
Screening interval from 145.00 to 176.00 ft bgs
Distance from Source : 0.80
Population Served: 3,810.00

Sample 1 - NJAWC 27 1/88 1/1/1988

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	88.00 ug/L	0.50 ug/L			X	X			

Sample 2 - NJAWC 27 5/89 5/1/1989

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	38.00 ug/L	0.50 ug/L			X	X			

Sample 3 - NJAWC 27 6/90 6/1/1990

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	37.00 ug/L	0.50 ug/L			X	X			

Sample 4 - NJAWC 27 8/91 8/1/1991

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	26.00 ug/L	0.50 ug/L			X	X			

Sample 5 - NJAWC 27 6/92 6/1/1992

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	23.00 ug/L	0.50 ug/L			X	X			

Sample 6 - NJAWC 27 10/93 10/1/1993

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	Dir Ob	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	20.30 ug/L	0.50 ug/L			X	X			

Sample 7 - NJAWC 27 10/94 10/1/1994

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	Dir Ob	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	14.00 ug/L	0.50 ug/L			X	X			

Sample 8 - NJAWC 27 9/95 9/1/1995

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	Dir Ob	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	11.00 ug/L	0.50 ug/L			X	X			

Sample 9 - NJAWC 27 5/96 5/1/1996

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	Dir Ob	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	8.10 ug/L	0.50 ug/L			X	X			

Sample 10 - NJAWC 27 12/97 12/1/1997

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	Dir Ob	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	10.50 ug/L	0.50 ug/L			X	X			

Sample 11 - NJAWC 27 12/98 12/1/1998

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	Dir Ob	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	9.70 ug/L	0.50 ug/L			X	X			

Sample 12 - NJAWC 27 12/1999 12/1/1999

Depth: 176.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	Dir Ob	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	7.60 ug/L	0.50 ug/L			X	X			

Well 3 - ONSITE GW-1 – Monitoring

Latitude: Longitude:
Screening interval from to
Distance from Source : 0.00
Population Served:

Sample 1 - GW-1A 8/6/2002

Depth: 28.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	1.10 ug/L	5.00 ug/L	J		X	X			

Sample 2 - GW-1B 8/6/2002

Depth: 40.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	5.10 ug/L	5.00 ug/L			X	X			

Sample 3 - GW-1C 8/6/2002

Depth: 48.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	18.00 ug/L	5.00 ug/L			X	X			

Sample 4 - GW-1D 8/6/2002

Depth: 52.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	6.90 ug/L	5.00 ug/L			X	X			

Well 4 - ONSITE GW-3 – Monitoring

Latitude: Longitude:
Screening interval from to
Distance from Source : 0.00
Population Served:

Sample 1 - GW-3A 8/7/2002

Depth: 28.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	40.00 ug/L	5.00 ug/L			X	X			

Sample 2 - GW-3B 8/7/2002

Depth: 36.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	37.00 ug/L	5.00 ug/L			X	X			

Sample 3 - GW-3C 8/7/2002

Depth: 48.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	1.60 ug/L	5.00 ug/L	J		X	X			

Well 5 - ONSITE GW-4 – Monitoring

Latitude: Longitude:
Screening interval from to
Distance from Source : 0.00
Population Served:

Sample 1 - GW-4A 8/7/2002

Depth: 28.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	230.00 ug/L	5.00 ug/L			X	X			

Sample 2 - GW-4B 8/7/2002

Depth: 36.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	120.00 ug/L	5.00 ug/L			X	X			

Well 6 - ONSITE GW-5 – Monitoring

Latitude: Longitude:
Screening interval from to
Distance from Source : 0.01
Population Served:

Sample 1 - GW-5A 8/6/2002

Depth: 28.00 ft bgs
Type: BACKGROUND
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	0.00 ug/L	5.00 ug/L	U		X	X			

Sample 2 - GW-5B 8/6/2002

Depth: 40.00 ft bgs
Type: BACKGROUND
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	0.00 ug/L	ug/L	U		X	X			

Sample 3 - GW-5C 8/6/2002

Depth: 48.00 ft bgs
Type: BACKGROUND
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	0.00 ug/L	5.00 ug/L	U		X	X			

Well 7 - ONSITE GW-6 – Monitoring

Latitude: Longitude:
Screening interval from to
Distance from Source : 0.00
Population Served:

Sample 1 - GW-6A 8/8/2002

Depth: 28.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	14.00 ug/L	5.00 ug/L			X	X			

Sample 2 - GW-6B 8/8/2002

Depth: 36.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	9.80 ug/L	5.00 ug/L			X	X			

Well 8 - OFFSITE GW-2 – Monitoring

Latitude: Longitude:
Screening interval from to
Distance from Source : 0.01
Population Served:

Sample 1 - GW-2A 5/29/2002

Depth: 28.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	74.23 ug/L	4.00 ug/L			X	X			

Sample 2 - GW-2B 5/29/2002

Depth: 40.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	118.08 ug/L	4.00 ug/L			X	X			

Sample 3 - GW-2C 5/29/2002

Depth: 48.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	23.57 ug/L	4.00 ug/L			X	X			

Well 9 - OFFSITE GW-3 – Monitoring

Latitude: Longitude:
Screening interval from to
Distance from Source : 0.01
Population Served:

Sample 1 - GW-3A 5/29/2002

Depth: 28.00 ft bgs
Type: RELEASE
Filtered? No
Reference:
Notes:

CAS_Number	Chemname	Quantity	Quantitation Limit	Qualfr	DirOb	Liq	ManMd	Ubq	Neigh	Reference
000127-18-4	Tetrachloroethylene	7.60 ug/L	4.00 ug/L			X	X			

Session 8 - ERIN CLEANERS – Rev - 1 Site Score: 50.00 **Pathway Score:** 0.00

Area A SOIL BEHIND BUILDING

The soil behind the dry cleaners where the old dry cleaning machine is located is contaminated.

Behind the dry cleaning building

Size of AOC for RESIDENT population consideration: 250.00 sq ft
Size of AOC for NEARBY population consideration: 250.00 sq ft

Attractiveness: 10 - Accessible, with no public recreation use

Resource Use: 0 - None

Sensitive Environments

Sensitive Environment	Sensitive Env. Value	Reference
-	-	

Selected Sources

Source
1 - Soil behind building

Resident Population

Population	Distance (ft)	On Property	Source ID - Sample	Population Reference
10.00 RESIDENTS	25.00	No	-	Four residential properties are within 25 feet of contamination.

Nearby Population

Population	Distance Category	Population Reference
808.00 RESIDENTS	Greater than 0 to 1/4	
1,926.00 RESIDENTS	Greater than 1/4 to 1/2	
5,301.00 RESIDENTS	Greater than 1/2 to 1	

HRS DOCUMENTATION RECORD--REVIEW COVER SHEET

Name of Site: ERIN CLEANERS

Contact Persons

Site Investigation:	Donna van Veldhuisen (Name)	609-584-4280 (Telephone)
Documentation Record:	- (Name)	- (Telephone)

Pathways, Components, or Threats Not Evaluated

HRS DOCUMENTATION RECORD

Name of Site: ERIN CLEANERS

CERCLIS ID:
NJD011705175

EPA Region: 2

Date Prepared: 9/19/2002

Street Address of Site: 608 Broad Street

County and State: Burlington NJ

General Location in the State: Riverton

Topographic Map:

Latitude:	Longitude:
40° 00' 40."	075° 00' 38."

Site Reference Point:

Scores	
Air Pathway	0.00
Ground Water Pathway	100.00
Soil Exposure Pathway	0.00
Surface Water Pathway	0.00
HRS SITE SCORE	**50.00**

WORKSHEET FOR COMPUTING HRS SITE SCORE

		S	S^2
1.	Ground Water Migration Pathway Score (S_{gw}) (from Table 3-1, line 13)	100.00	10,000.00
2a.	Surface Water Overland/Flood Migration Component (from Table 4-1, line 30)	0.00	
2b.	Ground Water to Surface Water Migration Component (from Table 4-25, line 28)	0.00	
2c.	Surface Water Migration Pathway Score (S_{sw}) Enter the larger of lines 2a and 2b as the pathway score.	0.00	0.00
3.	Soil Exposure Pathway Score (S_s) (from Table 5-1, line 22)	0.00	0.00
4.	Air Migration Pathway Score (S_a) (from Table 6-1, line 12)	0.00	0.00
5.	Total of $S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2$		10,000.00
6.	**HRS Site Score** Divide the value on line 5 by 4 and take the square root	50.00	

REFERENCES

Reference Number	Description of the Reference
None Apply	

SOURCE DESCRIPTION

2.2 SOURCE CHARACTERIZATION

Number of the source: 1

Name: Soil behind building

HRS Source Type: Contaminated Soil

Description of the source:

Location of the source, with reference to a map of the site:

Containment

Gas release to air
- -

Particulate release to air
- -

Release to ground water
10 - Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures).

Release via overland migration and/or flood
10 - Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures).

2.4 WASTE CHARACTERISTICS

2.4.1 Hazardous Substances

Hazardous substance	Evidence	Reference
Tetrachloroethylene	S-1	
Tetrachloroethylene	S-2	
Tetrachloroethylene	S-3	
Tetrachloroethylene	S-4	

2.4.2. Hazardous Waste Quantity

2.4.2.1.1. Hazardous Constituent Quantity

Hazardous Substance	Constituent Quantity (Mass - S)	Reference
None Apply		
	sum: 0.00	

Hazardous Constituent Quantity Value (S): 0.00

2.4.2.1.2. Hazardous Wastestream Quantity

Hazardous Wastestream	Quantity	Reference
None Apply		

sum: 0.00

Hazardous Wastestream Quantity Value (W): 0.00

2.4.2.1.3. Volume

Dimension of source (cu ft): 0.00

Reference(s):

Volume Assigned Value: 0.00

2.4.2.1.4. Area

Area of source (sq ft): 250.00

Reference(s):

Area Assigned Value: 0.00

2.4.2.1.5. Source Hazardous Waste Quantity Value

Source Hazardous Waste Quantity Value: 0.00

SITE SUMMARY OF SOURCE DESCRIPTIONS

Source No.	Source Hazardous Waste Quantity Value	Containment Factor Values by Pathway			
		Ground Water	Surface Water	Air	
				Gas	Particulate
1	0.00	10	10		

3.0 GROUND WATER MIGRATION PATHWAY

3.0.1 General Considerations

Aquifer/Stratum 1

Aquifer/Stratum Name: PENSAUKEN FORMATION

Interconnected With: False

Type of Aquifer: Non-Karst

Description: This stratum is not an aquifer.

References:

Aquifer/Stratum 2

Aquifer/Stratum Name: RARITAN MAGOTHY FORMATION

Interconnected With: False

Type of Aquifer: Non-Karst

Description: This stratum is an aquifer.

References:

3.1 LIKELIHOOD OF RELEASE

3.1.1 Observed Release

Aquifer Being Evaluated: 2

Direct Observation:

- Basis for Direct Observation:
- Hazardous Substances in the Release

Chemical Analysis:

- Background Concentration

Sample ID	Depth	Date	Reference
GW-5A	28.00 ft bgs	8/6/2002	
GW-5B	40.00 ft bgs	8/6/2002	
GW-5C	48.00 ft bgs	8/6/2002	

Sample ID	Hazardous Substance	Concentration		Sample Quantitation Limit	Reference
GW-5A	Tetrachloroethylene	0.00	ug/L	5.00	
GW-5B	Tetrachloroethylene	0.00	ug/L	0.00	
GW-5C	Tetrachloroethylene	0.00	ug/L	5.00	

- Contaminated Samples

Sample ID	Depth	Date	Reference
GW-3A	28.00 ft bgs	5/29/2002	
GW-2A	28.00 ft bgs	5/29/2002	
GW-2B	40.00 ft bgs	5/29/2002	
GW-2C	48.00 ft bgs	5/29/2002	
GW-6A	28.00 ft bgs	8/8/2002	
GW-6B	36.00 ft bgs	8/8/2002	
NJAWC 27 9/95	176.00 ft bgs	9/1/1995	
NJAWC 27 1/88	176.00 ft bgs	1/1/1988	
NJAWC 27 5/89	176.00 ft bgs	5/1/1989	
NJAWC 27 6/90	176.00 ft bgs	6/1/1990	
NJAWC 27 8/91	176.00 ft bgs	8/1/1991	
NJAWC 27 10/93	176.00 ft bgs	10/1/1993	
NJAWC 27 10/94	176.00 ft bgs	10/1/1994	
NJAWC 27 12/97	176.00 ft bgs	12/1/1997	
NJAWC 27 12/98	176.00 ft bgs	12/1/1998	
NJAWC 27 12/1999	176.00 ft bgs	12/1/1999	
NJAWC 27 6/92	176.00 ft bgs	6/1/1992	
NJAWC 27 5/96	176.00 ft bgs	5/1/1996	
GW-4A	28.00 ft bgs	8/7/2002	
GW-4B	36.00 ft bgs	8/7/2002	
GW-3A	28.00 ft bgs	8/7/2002	
GW-3B	36.00 ft bgs	8/7/2002	

GW-3C	48.00 ft bgs	8/7/2002
GW-1A	28.00 ft bgs	8/6/2002
GW-1B	40.00 ft bgs	8/6/2002
GW-1C	48.00 ft bgs	8/6/2002
GW-1D	52.00 ft bgs	8/6/2002
NJAWC 13 9/93	198.00 ft bgs	9/1/1993
NJAWC 13 8/94	198.00 ft bgs	8/1/1994
NJAWC 13 4/92	198.00 ft bgs	4/1/1992
NJAWC 13 8/95	198.00 ft bgs	8/1/1995
NJAWC 13 7/91	198.00 ft bgs	7/1/1991
NJAWC 13 6/90	198.00 ft bgs	6/1/1990
NJAWC 13 4/89	198.00 ft bgs	4/1/1989
NJAWC 13 4/88	198.00 ft bgs	4/1/1988
NJAWC 13 6/96	198.00 ft bgs	6/1/1996
NJAWC 13 2/97	198.00 ft bgs	2/1/1997
NJAWC 13 12/98	198.00 ft bgs	12/1/1998
NJAWC 13 12/99	198.00 ft bgs	12/1/1999

Sample ID	Hazardous Substance	Concentration		Sample Quantitation Limit	Reference
NJAWC 13 4/88	Tetrachloroethylene	240.00	ug/L	0.50	
NJAWC 13 4/89	Tetrachloroethylene	87.00	ug/L	0.50	
NJAWC 13 4/89	Trichloroethylene	1.00	ug/L	0.50	
NJAWC 13 6/90	Tetrachloroethylene	57.00	ug/L	0.50	
NJAWC 13 6/90	Trichloroethylene	3.00	ug/L	0.50	
NJAWC 13 7/91	Tetrachloroethylene	42.00	ug/L	0.50	
NJAWC 13 7/91	Trichloroethylene	3.00	ug/L	0.50	
NJAWC 13 4/92	Trichloroethylene	6.00	ug/L	0.50	
NJAWC 13 4/92	Tetrachloroethylene	34.00	ug/L	0.50	
NJAWC 13 9/93	Trichloroethylene	3.90	ug/L	0.50	
NJAWC 13 9/93	Tetrachloroethylene	33.80	ug/L	0.50	
NJAWC 13 8/94	Trichloroethylene	2.00	ug/L	0.50	
NJAWC 13 8/94	Tetrachloroethylene	26.00	ug/L	0.50	
NJAWC 13 8/95	Trichloroethylene	1.30	ug/L	0.50	
NJAWC 13 8/95	Tetrachloroethylene	30.00	ug/L	0.50	
NJAWC 13 6/96	Tetrachloroethylene	22.00	ug/L	1.60	
NJAWC 13 6/96	Trichloroethylene	1.60	ug/L	0.50	
NJAWC 13 6/96	Dichloroethane, 1,1-	1.40	ug/L	0.50	
NJAWC 13 2/97	Tetrachloroethylene	21.00	ug/L	0.50	
NJAWC 13 2/97	Dichloroethane, 1,1-	2.40	ug/L	0.50	

NJAWC 13 2/97	Trichloroethylene	2.90		ug/L	0.50
NJAWC 13 12/98	Tetrachloroethylene	17.70		ug/L	0.50
NJAWC 13 12/98	Trichloroethylene	3.70		ug/L	0.50
NJAWC 13 12/98	Dichloroethane, 1,1-	1.70		ug/L	0.50
NJAWC 13 12/99	Tetrachloroethylene	9.80		ug/L	0.50
NJAWC 13 12/99	Trichloroethylene	5.90		ug/L	0.50
NJAWC 27 1/88	Tetrachloroethylene	88.00		ug/L	0.50
NJAWC 27 5/89	Tetrachloroethylene	38.00		ug/L	0.50
NJAWC 27 6/90	Tetrachloroethylene	37.00		ug/L	0.50
NJAWC 27 8/91	Tetrachloroethylene	26.00		ug/L	0.50
NJAWC 27 6/92	Tetrachloroethylene	23.00		ug/L	0.50
NJAWC 27 10/93	Tetrachloroethylene	20.30		ug/L	0.50
NJAWC 27 10/94	Tetrachloroethylene	14.00		ug/L	0.50
NJAWC 27 9/95	Tetrachloroethylene	11.00		ug/L	0.50
NJAWC 27 5/96	Tetrachloroethylene	8.10		ug/L	0.50
NJAWC 27 12/97	Tetrachloroethylene	10.50		ug/L	0.50
NJAWC 27 12/98	Tetrachloroethylene	9.70		ug/L	0.50
NJAWC 27 12/1999	Tetrachloroethylene	7.60		ug/L	0.50
GW-1A	Tetrachloroethylene	1.10	J	ug/L	5.00
GW-1B	Tetrachloroethylene	5.10		ug/L	5.00
GW-1C	Tetrachloroethylene	18.00		ug/L	5.00
GW-1D	Tetrachloroethylene	6.90		ug/L	5.00
GW-3A	Tetrachloroethylene	40.00		ug/L	5.00
GW-3B	Tetrachloroethylene	37.00		ug/L	5.00
GW-3C	Tetrachloroethylene	1.60	J	ug/L	5.00
GW-4A	Tetrachloroethylene	230.00		ug/L	5.00
GW-4B	Tetrachloroethylene	120.00		ug/L	5.00
GW-6A	Tetrachloroethylene	14.00		ug/L	5.00
GW-6B	Tetrachloroethylene	9.80		ug/L	5.00
GW-2A	Tetrachloroethylene	74.23		ug/L	4.00
GW-2B	Tetrachloroethylene	118.08		ug/L	4.00
GW-2C	Tetrachloroethylene	23.57		ug/L	4.00
GW-3A	Tetrachloroethylene	7.60		ug/L	4.00

- Level I Samples

Sample ID: NJAWC 13 9/93
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	33.80	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 4/92
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	34.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 8/94
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	26.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 7/91
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	42.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 6/90
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	57.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 4/89
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	87.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 4/88
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	240.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 8/95
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	30.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 6/96

Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	22.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 2/97
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	21.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 12/98
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	17.70	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 12/99
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	9.80	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 9/93
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	33.80	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 4/92
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	34.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 8/94
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	26.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 7/91
Reference for Benchmarks:

Hazardous	Hazardous Substance	Benchmark

Substance	Concentration		Concentration	Benchmark
Tetrachloroethylene	42.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 6/90
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	57.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 4/89
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	87.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 4/88
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	240.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 8/95
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	30.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 6/96
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	22.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 2/97
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	21.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 12/98
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	17.70	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 12/99
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	9.80	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 9/93
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	33.80	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 4/92
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	34.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 8/94
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	26.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 7/91
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	42.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 6/90
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	57.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 4/89
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	87.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 4/88
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	240.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 8/95
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	30.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 6/96
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	22.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 2/97
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	21.00	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 12/98
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	17.70	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 12/99
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	9.80	ug/L	1.64E-3	Cancer Risk

Sample ID: NJAWC 13 9/93
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	33.80	ug/L	1.64E-3	Cancer Risk

Attribution:

Hazardous Substances Released
Tetrachloroethylene

==========

Ground Water Observed Release Factor Value: 550.00

3.1.2 Potential to Release

3.1.2.1 Containment

Source No.	Source Name	Descriptor	Value
1	Soil behind building	Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures).	10

==========

Containment Factor Value: 0

3.1.2.2 Net Precipitation

Precipitation (in inches): 3.00
Reference:
Factor Value: 0.00

3.1.2.3 Depth to Aquifer

Location	Stratum	Depth(ft) (Top of Stratum)	Cumulative Depth (Bottom of Stratum)	Reference
ERIN CLEANERS	PENSAUKEN FORMATION	1.00	20.00	
ERIN CLEANERS	RARITAN MAGOTHY FORMATION	20.00	100.00	

Depth of Hazardous Substances 28.00
Depth to Aquifer from Surface 20.00
Depth to Aquifer 100.00

==========

Net Precipitation Factor Value: 0.00
Depth to Aquifer Factor Value: 0.00

3.1.2.4 Travel Time

Layer	Composition	Thickness (feet)	Hydraulic Conductivity (cm/sec)	Reference
RARITAN MAGOTHY FORMATION	Non-Karst	80.00	1.00E-6	

Lowest Hydraulic Conductivity: 1.00E-6

==========

Travel Time Factor Value: 0.00
Potential to Release Factor Value: 0.00

3.2 WASTE CHARACTERISTICS

3.2.1 Toxicity/Mobility

Hazardous Substance	Source No.	Toxicity Factor Value	Mobility Factor Value	Toxicity/ Mobility	Reference
Tetrachloroethylene	1	100.00	1.00E+0	1.00E+2	
Tetrachloroethylene	OR	100.00	1.00E+0	1.00E+2	

==========

Toxicity/Mobility Factor Value: 1.00E+2

3.2.2 Hazardous Waste Quantity

Source Number	Source Hazardous Waste Quantity Value (Section 2.4.2.1.5)	Is source hazardous constituent quantity data complete? (yes/no)
1	0.00	No

Sum of Values: 0.00

3.2.3 Waste Characteristics Factor Category Value

Toxicity/Mobility Factor Value X Hazardous Waste Quantity Factor Value: 1.00E+4

==========

Hazardous Waste Quantity Factor Value: 100.00
Waste Characteristics Factor Category Value: 10.00

3.3 TARGETS

Well	Distance From Source (mi)	Aquifer	Level of Contamination	Reference
NJAWC 13	0.80	RARITAN MAGOTHY FORMATION	I	
NJAWC 27	0.80	RARITAN MAGOTHY FORMATION	I	
ONSITE GW-1	0.00	RARITAN MAGOTHY FORMATION	I	
ONSITE GW-3	0.00	RARITAN MAGOTHY FORMATION	I	
ONSITE GW-4	0.00	RARITAN MAGOTHY FORMATION	I	
ONSITE GW-5	0.01	RARITAN MAGOTHY FORMATION	POT	
ONSITE GW-6	0.00	RARITAN MAGOTHY FORMATION	I	
OFFSITE GW-2	0.01	RARITAN MAGOTHY FORMATION	I	
OFFSITE GW-3	0.01	RARITAN MAGOTHY FORMATION	I	

3.3.1 Nearest Well

Well: NJAWC 13

Level of Contamination (I, II, or potential): I
If potential contamination, distance from source in miles: 0.80

==========

Nearest Well Factor Value: 50.00

3.3.2 Population

3.3.2.1 Level of Contamination

3.3.2.2 Level I Concentrations

Level I Well	Population	Reference
NJAWC 13	3,810.00	
NJAWC 27	3,810.00	
ONSITE GW-1	0.00	
ONSITE GW-3	0.00	
ONSITE GW-4	0.00	
ONSITE GW-6	0.00	
OFFSITE GW-2	0.00	
OFFSITE GW-3	0.00	

==========

Population Served by Level I Wells: 7,620.00
Level I Concentrations Factor Value: 76,200.00

3.3.2.3 Level II Concentrations

Level II Well	Population	Reference
None Apply		

==========

Level II Concentrations Factor Value: 0.00

3.3.2.4 Potential Contamination

Distance Category	Population	Distance-Weighted Population Value	Reference
Greater than 1 to 2	15,848.00	2,939.00	
Greater than 2 to 3	34,753.00	6,778.00	
Greater than 3 to 4	55,020.00	4,171.00	

Sum of Distance-Weighted Population Values: 13,888.00

==========

Potential Contamination Factor Value: 1,389.00

3.3.3 Resources

Well	Aquifer	Resource Use	Reference
None Apply			

==========

Resources Factor Value: 0.00

3.3.4 Wellhead Protection Area

Area	Use	Value	Reference
RARITAN MAGOTHY FORMATION	Designated Wellhead Protection Area is within the target distance limit	5	

==========

Wellhead Protection Area Factor Value: 5.00

5.0 SOIL EXPOSURE PATHWAY

5.0.1 General Considerations

Letter (A, B, etc.) by which this area is to be identified: A

Name and description of the area: SOIL BEHIND BUILDING

Location of the area, with reference to a map of the site: Behind the dry cleaning building

- Background Concentration

Sample ID	Depth (ft)	Date	Reference
S-5	2.50	8/6/2002	

Sample ID	Hazardous Substance	Concentration		Quantitation Limit	Reference
S-5	Tetrachloroethylene	0.04	mg/kg	0.04	

- Contaminated Samples

Sample ID	Depth (ft)	Date	Reference
S-2	2.00	8/6/2002	
S-3	2.00	8/6/2002	

Sample ID	Hazardous Substance	Concentration		Quantitation Limit	Reference
S-2	Tetrachloroethylene	13.00	mg/kg	0.90	
S-3	Tetrachloroethylene	5.80	mg/kg	0.59	

Attribution:

Area Hazardous Waste Quantity

Hazardous Constituent Quantity

Hazardous Substance	Quantity (Mass-S)	Reference
None Apply		

Sum: 0.00

Hazardous Constituent Quantity Value (S): 0.00

Are the data complete for hazardous constituent quantity for this area? No

Hazardous Wastestream Quantity

Hazardous Wastestream	Quantity	Reference
None Apply		

Sum: 0.00

Hazardous Wastestream Quantity Value (W) 0.00

Are the data complete for hazardous wastestream quantity for this area? No

Volume

Dimension of source (yd^3 or gallons): 0.00

Reference:

Volume Assigned Value: 0.00

Area

Area of area of observed contamination (ft^2): 250.00

Reference:

Area Assigned Value: 0.01

Area Hazardous Waste Quantity Value

==========

Area of Observed Contamination Hazardous Waste Quantity Value: 0.01

Summary of Site Contamination

Level I Samples

Sample ID: S-2
Reference for Benchmarks:

Hazardous Substance	Hazardous Substance Concentration		Benchmark Concentration	Benchmark
Tetrachloroethylene	13.00	mg/kg	1.23E+1	Cancer Risk

Level II Samples

Sample ID	Hazardous Substance
S-3	Tetrachloroethylene

5.1 RESIDENT POPULATION THREAT

Sample ID	Distance from Population to Observed Contamination (feet)
None Apply	

5.1.1 Likelihood of Exposure

==========

Resident Population Threat Likelihood of Exposure Factor Category Value: 0.00

5.1.2 Waste Characteristics

5.1.2.1 Toxicity

Hazardous Substance	Toxicity Factor Value	Reference
None Apply		

==========

Toxicity Factor Value: 0.00

5.1.2.2 Hazardous Waste Quantity

Area Letter	Area Hazardous Waste Quantity Value	Constituent Quantity Data Complete? (Yes/No)
A	0.01	No

Sum of values: 0.01

5.1.2.3 Calculation of Waste Characteristics Factor Category Value

Toxicity Factor Value x Hazardous Waste Quantity Factor Value: 0.00

==========

Hazardous Waste Quantity Factor Value: 0.00
Waste Characteristics Factor Category Value: 0.00

5.1.3 Targets

5.1.3.1 Resident Individual

Area Letter: A
Level of Contamination:

Reference:

==========

Resident Individual Factor Value: 0.00

5.1.3.2 Resident Population

5.1.3.2.1 Level I Concentrations

Area Letter	Resident Individuals	Reference
None Apply		

Sum of individuals subject to Level I concentrations: 0.00

5.1.3.2.2 Level II Concentrations

Area Letter	Resident Individuals
None Apply	

Sum of individuals subject to Level II concentrations: 0.00

==========

Level I Concentrations Factor Value: 0.00
Level II Concentrations Factor Value: 0.00

5.1.3.3 Workers

Area Letter	Number of Workers	Reference
None Apply		

Total workers: 0.00

5.1.3.4 Resources

Resource Descriptor(s): -

==========

Workers Factor Value: 0.00
Resources Factor Value: 0.00

5.1.3.5 Terrestrial Sensitive Environments

Area Letter	Terrestrial Sensitive Environment	Value
None Apply		

Likelihood of exposure factor category value (LE): 0.00
Waste characteristics factor category value (WC): 0.00
Terrestrial sensitive environments value (ES): 0.00
Product (LE x WC x ES): 0.00
(LE x WC x ES)/82,500: 0.00

Value of EC: 0.00

==========

Terrestrial Sensitive Environments Factor Value 0.00

5.2 NEARBY POPULATION THREAT

5.2.1 Likelihood of Exposure

5.1.1.1 Attractiveness/Accessibility

Area Letter	Descriptor(s) for Area	Value
A	Accessible, with no public recreation use	10

==========

Attractiveness/Accessibility Factor Value: 10.00

5.2.1.2 Area of Contamination

Area Letter	Size of Area of Observed Contamination (sq ft)
A	250.00

Total Area of Observed Contamination: 250.00

5.2.1.3 Likelihood of Exposure Factor Category

==========

Area of Contamination Factor Value: 5.00
Nearby Population Threat Likelihood of Exposure Factor Category Value: 5.00

5.2.2 Waste Characteristics

5.2.2.1 Toxicity

Hazardous Substance	Toxicity Factor Value	Reference
Tetrachloroethylene	100.00	

==========

Toxicity Factor Value: 100.00

5.2.2.2 Hazardous Waste Quantity

Area Letter	Area Hazardous Waste Quantity Value	Constituent Quantity Data Complete? (Yes/No)
A	0.01	No

Sum of values: 0.01

5.2.2.3 Calculation of Waste Characteristics Factor Category Value

Toxicity Factor Value x Hazardous Waste Quantity Factor Value: 1.00E+3

==========

Hazardous Waste Quantity Factor Value: 10.00
Waste Characteristics Factor Category Value: 6.00

5.2.3 Targets

5.2.3.1 Nearby Individual

Area Letter	Distance to Residence or School	Reference
A	Greater than 0 to 1/4	
A	Greater than 1/4 to 1/2	
A	Greater than 1/2 to 1	

==========

Nearby Individual Factor Value: 1.00

5.2.3.2 Population Within 1 Mile

Travel Distance Category (miles)	Number of People	Reference	Distance-Weighted Value (Table 5-10)
Greater than 0 to 1/4	808.00		13.00
Greater than 1/2 to 1	5,301.00		33.00
Greater than 1/4 to 1/2	1,926.00		20.00

Sum of Distance-weighted Values: 66.00

==========

Population Within 1 Mile Factor Value: 7.00

TABLE 3-1 --GROUND WATER MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned	
Likelihood of Release to an Aquifer: RARITAN MAGOTHY FORMATION			
1. Observed Release	550	550.00	
2. Potential to Release:			
2a. Containment	10	0.00	
2b. Net Precipitation	10	0.00	
2c. Depth to Aquifer	5	0.00	
2d. Travel Time	35	0.00	
2e. Potential to Release [lines 2a(2b + 2c + 2d)]	500	0.00	
3. Likelihood of Release (higher of lines 1 and 2e)	550		550.00
Waste Characteristics:			
4. Toxicity/Mobility	(a)	100.00	
5. Hazardous Waste Quantity	(a)	100.00	
6. Waste Characteristics	100		10.00
Targets:			
7. Nearest Well	(b)	50.00	
8. Population:	(b)		
8a. Level I Concentrations	(b)	76,200.00	
8b. Level II Concentrations	(b)	0.00	
8c. Potential Contamination	(b)	1,389.00	
8d. Population (lines 8a + 8b + 8c)	(b)	77,589.00	
9. Resources	5	0.00	
10. Wellhead Protection Area	20	5.00	
11. Targets (lines 7 + 8d + 9 + 10)	(b)		77,644.00
Ground Water Migration Score for an Aquifer: RARITAN MAGOTHY FORMATION			
12. Aquifer Score [(lines 3 x 6 x 11)/82,5000][c]	100		100.00
Ground Water Migration Pathway Score:			
13. Pathway Score (S_{gw}), (highest value from line 12 for all aquifers evalueated)[c]	100		100.00

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c] Do not round to nearest integer

TABLE 5-1 --SOIL EXPOSURE PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned	
Likelihood of Exposure:			
1. Likelihood of Exposure	550		0.00
Waste Characteristics:			
2. Toxicity	(a)	0.00	
3. Hazardous Waste Quantity	(a)	0.00	
4. Waste Characteristics	100		0.00
Targets:			
5. Resident Individual	50	0.00	
6. Resident Population:			
6a. Level I Concentrations	(b)	0.00	
6b. Level II Concentrations	(b)	0.00	
6c. Population (lines 6a + 6b)	(b)	0.00	
7. Workers	15	0.00	
8. Resources	5	0.00	
9. Terrestrial Sensitive Environments	(c)	0.00	
10. Targets (lines 5 + 6c + 7 + 8 + 9)	(b)		0.00
Resident Population Threat Score			
11. Resident Population Threat Score (lines 1 x 4 x 10)	(b)		0.00
Nearby Population Threat			
Likelihood of Exposure:			
12. Attractiveness/Accessibility	100	10.00	
13. Area of Contamination	100	5.00	
14. Likelihood of Exposure	500		5.00
Waste Characteristics:			
15. Toxicity	(a)	100.00	
16. Hazardous Waste Quantity	(a)	10.00	
17. Waste Characteristics	100		6.00
Targets:			
18. Nearby Individual	1	1.00	
19. Population Within 1 Mile	(b)	7.00	
20. Targets (lines 18 + 19)	(b)		8.00
Nearby Population Threat Score			
21. Nearby Population Threat (lines 14 x 17 x 20)	(b)		240.00
Soil Exposure Pathway Score:			
22. Pathway Score[d] (S_s), [lines (11+21)/82,500, subject to max of 100]	100		0.00

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c] No specific maximum value applies to factor. However, pathway score based solely on terrestrial sensitive environments is limited to a maximum of 60
[d] Do not round to nearest integer